

Amendments to the Claims:

Please substitute the following clean copy text for the pending claims of the same number.

Claims 14-30 were previously withdrawn.

Please cancel claim 2 without prejudice.

Please amend the claims as follows.

1. (Currently Amended) A method of coating a substrate with a metal layer, comprising the steps of:

applying a wet light-sensitive bonding material between said substrate and said metal layer under lighting conditions to prevent premature curing of said bonding material and allowing said bonding material to remain wet, thereby forming a metal-coated substrate;

drying said wet light-sensitive bonding material at a temperature compatible with said bonding material and under lighting conditions to prevent premature curing of said bonding material; and

exposing said metal-coated substrate to a light source having an intensity and for a period of time sufficient to cure at least portions of said light-sensitive bonding material.

2. (Cancelled)

HAYES SOLOWAY P.C.
130 W. CUSHING ST.
TUCSON, AZ 85701
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

3. (Currently Amended) The method of claim 1 wherein the step of applying said light-sensitive bonding material between said substrate and said metal layer includes wetting a surface of said substrate, applying a light-sensitive photopolymer film to said surface of said substrate, wetting said photopolymer film, and applying said metal layer to said wet photopolymer film.

4. (Original) The method of claim 1 wherein said light-sensitive bonding material includes a light-sensitive emulsion in liquid form.

5. (Original) The method of claim 1 wherein the step of applying said light-sensitive bonding material between said substrate and said metal layer includes applying a substantially continuous layer of light-sensitive emulsion in liquid form to said substrate and applying said metal layer to said emulsion in liquid form.

6. (Original) The method of claim 1 wherein the step of applying said light-sensitive bonding material between said substrate and said metal layer includes selectively applying a substantially continuous layer of light-sensitive emulsion in liquid form to said substrate in a predetermined pattern and applying said metal layer to said emulsion in liquid form.

7. (Original) The method of claim 6 further comprising the step of removing unadhered portions of said metal layer.

HAYES SOLOWAY P.C.

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8. (Original) The method of claim 1 wherein the step of drying said light-sensitive bonding material includes allowing said light-sensitive bonding material to air dry.

9. (Original) The method of claim 1 wherein said light source is directed at said metal layer.

10. (Original) The method of claim 1 wherein said light source is directed at said substrate.

11. (Original) The method of claim 1 further comprising the steps of:
placing a mask over said metal-coated substrate before exposing said metal-coated substrate to said light source, wherein said mask has transparent and opaque regions in a pattern; and
removing said bonding material and said metal layer from unexposed regions beneath said opaque regions of said mask.

12. (Original) The method of claim 1 wherein said metal layer is metal leaf.

13. (Original) The method of claim 1 wherein said metal layer includes a precious metal.

14 - 30 (Withdrawn)

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31. (Newly Added) A method of coating a substrate with a metal, wherein said substrate comprises individual fibers, the method comprising the steps of:

applying a liquid light-sensitive bonding material to said substrate under lighting conditions to prevent premature curing of said liquid light-sensitive bonding material, resulting in a portion of said wet light-sensitive bonding material being absorbed into said substrate, and resulting in said substrate being wet;

applying said metal to said wet substrate under lighting conditions to prevent premature curing of said bonding material and allowing said substrate to remain wet, thereby forming a wet metal-coated substrate;

drying said wet substrate at a temperature compatible with said bonding material and under lighting conditions to prevent premature curing of said bonding material, thereby resulting in portions of said metal adhering to a portion of said individual fibers; and

exposing said dry substrate to a light source having an intensity and for a period of time sufficient to cure at least portions of said light-sensitive bonding material.

32. (Newly added) The method of claim 31, further comprising the step of washing said coated substrate to remove excess bonding material and excess metal.

33. (Newly Added) The method of claim 31, wherein said metal layer is metal powder.

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34. (Newly Added) The method of claim 31, wherein said metal layer is metal leaf.

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